



DX NEWS

The magazine of the
National Radio Club

SINCE 1933

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CPC Calendar ...

Date	Station	From/To (EST)
Nov. 11	WCOP-1350	4:30/5:00 AM
Nov. 11	WSYB-1380	5:30/6:00 AM
Nov. 12	WARU-1600	2:00/2:30 AM
Nov. 12	KRXY-1600	2:30/3:00 AM
Nov. 16	KORN-1490	5:00/5:30 AM
Nov. 25	KSTL-690	1:01/2 AM
Dec. 1	KLER-1300	7:45/8:00 AM
Dec. 3	KOJM-610	2:10/2:30 AM
Dec. 10	KUMA-1290	3:05/3:30 AM
Dec. 16	KTIL-1590	3:00/3:30 AM

WCOP-1350, P. O. Box 2127, Warner Robbins, GA 31099-2127 will conduct a special DX Test Sunday morning, November 11, from 0430-0500 EST. Our thanks to the General Manager (unnamed) for arranging this test for the Colorado CPC Machine and the National Radio Club.

WSYB-1380, P.O. BOX 249, Rutland VT 05701 will conduct a special DX TEST on November 11, 1990 from 0530 to 0600 EST. This test will consist of normal AdCon music program with interspersed voice and Morse code ID's. Our thanks to Mr. Tom Elmore for this test. Arranged by the Colorado CPC Machine for the National Radio Club.

WARU-1600, P.O. BOX A, Peru, IN 46970 will conduct a DX TEST on November 12, 1990 from 0200 to 0230 EST. This test will consist of voice ID's, code ID's and march music. We would like to thank Chief Engineer Mr. James L. Swearingen for this test. Arranged by the Colorado CPC Machine for the National Radio Club.

KRXY-1600, 7075 W. Hampden Ave. Denver, CO 80227 will conduct a SPECIAL DX TEST on November 12, 1990 from 0230-0300 EST using 5000 non-directional. The test will contain both Morse Code and voice ID's. KRXY will be silent for the preceding 1/2 hour and will be conducting routine maintenance. Our thanks to Girard M. Westerberg Chief Engineer. Arranged by the Colorado CPC Machine for the National Radio Club.

KORN-1490, 319 North Main, Mitchell SD

57301 will conduct a special DX Test on Friday morning, November 16 from 0500 to 0530 EST. Test details will follow. Our thanks to Mr. Joseph R. Shields for this test. Arranged by the Colorado CPC Machine for the National Radio Club.

KSTL-690, 814 N. Third St. - St. Louis, MO 63102 will conduct a special DX Test on Sunday Morning November 25, 1990 beginning at 0101 ELT. This test will be combined with KSTL's Proof of Performance testing and will contain tones, possibly music, and station ID's. Our thanks to Mr. Chris Davis, Sales Manager, for this fine opportunity. Arranged by the Colorado CPC Machine for the National Radio Club.

KLER-1300, P.O. BOX 32, Orofino, ID 83544 will conduct a special DX Test on Saturday morning December 1, 1990 beginning at 0645 to 0700 EST. The test will contain tones voice and Morse code ID's. Our thanks to Mr. Jeff Jones, Station Manager. Arranged by Colorado CPC Machine for the National Radio Club.

KOJM-610, P.O. BOX 7000, Havre, MT 59501 will present a special DX test Monday Morning December 3, 1990 between 0200 and 0230 EST. This test will contain Morse Code ID's and other programming. Our thanks to Rob Yaw Chief Engineer for conducting this test. Arranged by the
(Continued on page two)

DX Time Machine

From the Pages of DX NEWS

50 years ago ... from the Nov. 3, 1940 DXN: Harry M. Gordon resigned from the presidency and Joseph J. Becker, Sr. was appointed in his place.

25 years ago ... from the Nov. 6, 1965 DXN: New members listed included H. D. "Don" Allen, Robert Newall, David A. Snyder, Ron Sibbitt, Dave Read, Jeff H. Ross, Torbjorn Wiklund, Tomas C. Birch, Dave Whatmough, and Danile Burstein.

10 years ago ... from the Nov. 10, 1965 DXN: The NRC Log was selling for \$4.00 ... Neil Zank's CPC tests included WYNN-540, Florence, SC; WSNW-1150 Seneca, SC; and WAYC-1600, Bedford, PA.

(continued from page one)

Colorado CPC Machine for the National Radio Club.

KUMA-1290, P.O. BOX 340, Pendleton OR 97801 will conduct a special DX Test on Sunday morning December 10, 1990 beginning at 0305 EST. This test will consist of a Special Public Service announcement for the National Radio Club. There will be Morse Code ID's contained within the announcement. This will air two or more times between 0305 and 0330. KUMA will be broadcasting NBCTalkNet at this time. Our thanks to Mr. Greg A. Smith, General Manager. Arranged by Colorado CPC Machine for the National Radio Club.

KTIL-1590, P.O. BOX 40, Tillamook, OR 97141 will conduct a special DX TEST on Sunday Morning December 16, 1990 from 0300 to 0330 EST. Test will consist of music and ID's. Our thanks to Van Moe, President, for this test. Arranged by the Colorado CPC Machine.

From the General Manager ... Mike would like to remind those renewing subscribers that there is a four- to five-week lag time between their renewal check going into the mail to Ron Musco in Connecticut. As a rule of thumb, renew at least a month before your expiration date to provide yourself with smoothest renewal service. No, we do not automatically give you a bunch of free issues beyond your expiration date, as some clubs do! And be sure to send new addresses to Mike in Wisconsin and no one else unless you really want to delay your DXN. And this might be a good place to remind you that requests for replacement DXN's and samples to potential members (for which there is no charge) should go to Topeka. Also, if you have an opportunity to attend a radio function at which you'd like to pass out copies of DXN, send your request at least three weeks in advance to Topeka; 24 copies can go 4th class Printed Material rate for \$1.25.

Mike also requests that any NRC member involved in Operation Desert Shield contact him.

From the editor ... Wayne called to inform me that his DDXD-W column (on 5.25" disk) was returned mangled by the USPS, but that all will be sent next week.

NRC AM Radio Log

1991 Edition

New - and only \$16.95

The Log is 30% thicker and over 300 pages long, including two cross-reference sections. It contains more station information than ever before! Mail or call your order in now. Specify your mailing and address and number of Logs ordered. Order from NRC Publications (address on back) or use your credit card (VISA/MC) and call (608) 423-4159. (Canada, \$17.95; non-members and foreign, write.)



Pittsburgh '90

AUGUST 31-
SEPTEMBER 12, 91

Genuine souvenirs
of the '90 convention: a yellow 1x2.5
foot pennant **plus** a plastic white print on black folder,
with a pad of ruled 8.5 x 11 inch paper: **US\$ 10; \$11 to Canada;**
others: write. Order from NRC Publications.
Hurry - get yours before they're gone!

AM Switch

Jerry Starr

c/o WHOT Radio

4040 Simon Road

Youngstown, OH 44512-1320

Status changes in AM stations, supplied by the FCC and NRC members

CALL LETTER CHANGES

None

APPLICATIONS / GRANTS FOR NEW STATIONS

None

APPLICATIONS FROM EXISTING FACILITIES

None

GRANTS TO EXISTING FACILITIES

600	WFST	ME	Caribou: relocate transmitter, changes in antenna system
1030	WTGR	WV	Point Pleasant: reduce power to 2900 watts
1230	CILW	AB	Wainwright: to 830 kHz with 10000/3500 U4
	VOAR	NF	St. John's: to 1210 kHz with 10000/10000 U4
1270	KVCL	LA	Winnfield: reduce power to 820 watts, antenna changes

OTHERNESS

660 KAPS WA Mount Vernon: as a follow up to last issue's information on this station, president James Keane informs AMS that they moved here from 1470 in July 1990 with 1000 watts non-directional using one of the towers from the old 1470 system. When building permits are cleared they will begin construction of their new PARAN antenna system. This will be the first use of this exotic antenna in the United States with the exception of one of the synchros in Hawaii. The PARAN will consist of four 120 foot towers taking the place of one 300 foot antenna, making use of the PARAN's major feature, antenna efficiency in cases where height of the antenna structure may be limited. The PARAN also exhibits very wide bandwidth (especially helpful in AM stereo) and may produce less skywave than the traditional taller single antenna. When this new system is on the air KAPS will be 10000/1000 and, although using four towers, be UI, non-directional day and night. Exciting news is the fact that KAPS has agreed to conduct a special DX Test for NRCers when the PARAN is operational!

1330	KWLO	IA	Waterloo: station is SILENT
1340	KTEO	TX	San Angelo: station is SILENT
1450	KOBO	CA	Yuba City: silent station has new owners, may return soon
1490	KSKJ	UT	Salina: construction permit for new station CANCELLED and call letter DELETED
1570	WRJQ	WI	Appleton: silent station has new owners, may return soon
1600	WAST	OH	Ashtabula: FCC has issued "show cause" order requiring the licensee to give them any reason why this license should not be cancelled. This station, formerly WAQI, has been silent since 1981 and has been silent WITHOUT FCC APPROVAL SINCE 1984! This license has passed through several owners, once being sold for \$1.00, but has never resumed broadcasting.

THANKS: DAVIS LEWIS and M Street Journal for Otherness items this issue.

73 and Good DX, *Denny & BKF* Jerry Starr & Buffalo K. Poonman

283 Communication Arts
Michigan State University
East Lansing, MI 48824-1212



WKAR/AM 870 WKAR/FM 90

Domestic DX Digest - East

DX Catches in the Eastern U. S. and Canada, with 24-hr. ELT

William Hale
734 Burleson
San Marcos, TX 78666

MEDIUM WAVE rAMblings

- **Charles Reh** points out that I had inadvertently given him credit for "WELL Marshall, MI" on the 1400 GYDXA list. But in reality, it doesn't exist as such. Is located in Battle Creek. So that opens up WELL as a target for you to claim on said list. Go get 'em, DXers and Dixerettes!
- When sending in loggings, **DO NOT** cut them into strips. I input each letter (report) as an entity in and of itself. That practice was outlawed here about four years ago. Thanks.
- Regular contributors have probably noticed that when they report the call letters being spoken, such as "W-Q-O-L-" with the dashes, 99% of the time I eliminate the "L" between letters in DDND-E. Why? Because as far as I'm concerned, it's a foregone conclusion that each letter was spoken individually, not the word (in this case "wool") pronounced. When the station uses it's call phonetically (such as Wool 98) as part of a slogan, only the first letter will be capitalized. Same idea with "11-90" becoming "1190". I doubt if any announcement says anything but... "Eleven-ninety". Save yourself some typin', gang.
- Although it doesn't get published often, my phone number is 512-392-0082. Please call before 9 PM Central Time. Work phone (5 AM to 1:30 PM) is 512-369-2466. And Autovon is 685-2466, and free. Always glad to chat about radio or the club.
- So far, the vote count is running 3 to 1 **against** reporting in GMT. Really!! In fact, two votes were cast for reporting in the DXers LOCAL time, as is the practice in MUSINGS. That's another avenue to consider.
- I received some All-Time Greatest MW catches after the well-publicized October 15 deadline. Sorry, but I made the DXAS tape on the evening of the 16th, after mailing the hard copy to Topeka that morning. Maybe we'll have a Volume II sometime.

SPECIAL

WJNT NewsTalk
2708 OLD BRANDON ROAD, JACKSON, MISSISSIPPI 39208

- 680 WPTF NC RALEIGH - 10/1 has added ABC-E's **Sally Jesse Raphael Show** per pgm announcement, returning from WKIX-850 (DP-HI)
- 990 WEEB NC SOUTHERN PINES - 10/12 2213 on with info about Hurricane Lilli; dominant, but sometimes fadey; GOS mx (DLH-IN)
- 1030 KFAY AR PAYETTEVILLE - 10/1 adds MBS's **Larry King Show** per program announcement; simulcast on KFAY 92.9 (DP-HI)
- 1060 KFTT TX LOCKHART-AUSTIN - returned to the air 10/11 with hard-driving black gospel format; stn bought by owners of KCOH Houston; leaves 2 TLK stations in Austin, KLBJ and KFON [Ed-Tx]
- 1300 WNVO OH MT VERNON - 10/1 adds ABC-E's **Sally Jesse Raphael Show** per program announcement (DP-HI)
- 1390 WRSC PA STATE COLLEGE - 9/3 added **Larry King Show** per pgm anncet (DP-HI)
- 1520 WVOI OH TOLEDO - this is correct call; per phone call, WDRA was set aside and never used; new phone # is 419-243-7052 (REH-ON)

UNIDS AND A LITTLE UNID HELP FROM YOUR FRIENDS

- 910 UNID ?? - 10/15 2118 with rap mx, behind KGLC & KPOF (MH-NE)
- 970 KSYL LA ALEXANDRIA - probably the station heard by **Mike Hawk**, 8/28 in Issue #30 with **Astros BB**, per **Baseball America** (DP-HI)
- 1020 KRAD OK PERRY - might be Shawn Axelrod's UNID (Issue 2), they carry C&W & has been noted with some REL-oriented pgms (WH-CO)
- 1060 WNOE LA NEW ORLEANS - probably the station heard by **Rick Dan** 6/24 in Issue #29; station added **Larry King** and maybe companion **Jim Bohannon Show** last year (DP-HI)
- 1100 UNID ?? - 10/8 0150 three stations noted in WWWB SP: CARACOL and 2 UNID EE; one had B:GOS preaching and singing, other was a talker with ad for **Smithsonian Air and Space** mag; heavy static and 1090/1110 splash killed any chance for IDs (REH-ON)
- 1280 WYSY IL AURORA - was **Mike Hawk's** UNID with **Y-108** IDs; they changed CLs quite a while ago (RK-IL)
- 1330 WETZ WV NEW MARTINSVILLE - probably the station heard by **Tom Sanders** 8/23 in Issue #30 with **Pirates BB**, per **Baseball America** (DP-HI)
- WTRE-IN, WMOR-KY, WFIN-MI, WKOV-OH: any of these could have been **Tom Sanders'** UNID with **Roda BB**, per [you got it - Ed.], **Baseball America** (DP-HI)

- 1360 KNGN NE MC COOK - is **Mike Hawk's** UNID (Issue 2), not KNIN, ref my logging in DDND-W Issue 3; heard same sign-on and format, now REL (WH-CO)
- 1450 KGRE CO GREELEY - likely **Mike Hawk's** UNID (Issue 2) as CSU games are carried there (WH-CO)
- 1610 UNID ?? - first noted 10/6 and occasionally thereafter evenings (after LSS) with male anncr seemingly in EE, but can't be certain; suspect a TIS as the pgm seems to be a repeating tape of 1:15 minutes, pause for 10 seconds and continue; looped N/S (MH-NC)

DX AND EQUIPMENT TESTS

- 940 WFAW WI FT ATKINSON - 10/14 on NRC test; CIDx only heard at 0500 & 0515; severe QRM from Cuba and an unid tester made it tough (KVJ-GA)
- WFAW WI FT ATKINSON - 10/14 0547 heard a few characters of CID during a KIOA fade; slept through 1st half of test (MH-NE)
- WFAW WI FT ATKINSON - 10/14 0459-0533 jumble of signals almost the whole time; second ticks and minute beeps from R. Reloj, with RR CID; SS voices but no comprehend; EE male audible w/nx at times; also... *This is the Mutual Broadcasting System* more than once; at 0530, EE male gave time as 4:30 AM w/garbled FM & AM IDs; weak and slow 1000 Hz CID WFAW at 0533 just before CTR-75 tape ran out (PC-VA)
- WFAW WI FT ATKINSON - 10/14 0530-0532 weak CID, nothing first 1/2 hour, in WESA & Cuba null; WMIX strong (JM-PA)
- WFAW WI FT ATKINSON - test not heard, but "Thank You" letter sent (MH-NC)
- 1000 WLUP IL CHICAGO - 10/1 0543 testing with OC prior to sign-on (RK-IL)
- 1100 WWWE OH CLEVELAND - 10/8 0145 off completely except for a few minutes of feed from the House's budget debate; returned somewhere between 0500 and 0515 (REH-ON)
- 1140 WRVA VA RICHMOND - 10/8 0156 (actually noted earlier but didn't write it down) testing with periods of OC & frequent IDs; also off completely (RK-IL)
- 1160 WJJD IL CHICAGO - 10/1 0106-0200 testing with OC & all sorts of tones; never went off completely (RK-IL)
- 1520 KOMA OK OKLAHOMA CITY - 10/4 2215 went off with anncr *KOMA now leaves the air for transmitter maintenance. We'll be back with great rock and roll*; must have had a serious problem for them to go off at such an early hour; don't know when they came back (REH-ON)
- 1550 WLUX LA BATON ROUGE - 10/13 0630-0700 strong with *Good morning, this is WLUX Baton Rouge, Louisiana signing on for a special test* - CIDs and a mention of **Wayne** in Aurora (MH-NE)
- WLUX LA BATON ROUGE - 10/13 0632-0655 TEST noted with TT, CIDs and one VID heard @ 0637; no other audio noted due to much QRM from several stations (KVJ-GA)
- WLUX LA BATON ROUGE - 10/13 0633 with ID on DX Test; surprisingly weak considering this one used to be a SSS regular (RK-IL)
- WLUX LA BATON ROUGE - 10/13 0630-0700 NOT noted on test; WBSC & 2 SSSs noted (MH-NC) 10/14...no sign of them...too much CBE! (RCW-MI) 10/13 tried, not heard (JM-PA)

TIS AND OTHER PESTS or STUFF

- 530-1600 TTS NY NEW YORK - 10/2 **Lincoln Tunnel Radio** cutting into all NY AM frequencies (but heard on every frequency) w/info about construction & potential traffic jams in & out of NYC (EJ-NJ)
- 1600 TIS IN INDIANAPOLIS (maybe LAWRENCE) - 10/12 2346 new TIS, Indiana Department of Transport warning of construction delays on I-465; NE side of Indy, near Lawrence (DLH-IN)

MIDNIGHT TO 0800 HOURS ELT

- 540 WSTH GA COLUMBUS - 10/14 0652-0702 with *The Gospel Show* hosted by **Mason Dixon**, ID @ 0700 of both AM & FM, followed by *Church News*; good in CBEF null (RCW-MI)
- 630 KXOK MO ST LOUIS - 10/7 0645-0700 with CNN Headline Nx, *All News 630 Computer Traffic* with **Pamela Bundy**; good signal over CFCO (RCW-MI)
- 640 WGST GA ATLANTA - 10/8 0105 fair with wx & *Full service radio for 50 years* in WFNC null, WOI relaying BBC Nx; WHLO weak or off; 640 almost like a GY (JM-PA)
- 690 WLKE WI OSHKOSH - 10/5 0722 with polka mx and DJ giving a very stretched-out *W-L-K-E* call ID; super weak but only thing audible on frequency except for WLW/CFTF splash; WI #110 (REH-ON)
- 810 WJW WI TOMAHAWK - 10/6 0714 sign-on thru WEDO OC, w/address (81 E. Mohawk Dr.), day power; taken out by WEDO sign-on (JM-PA)
- 840 KWPN NE WEST POINT - 10/6 0700-0737 strong, first hrd one week earlier, fairly regular after 7, in WHAS null w/AM 84 - FM 108 ID; AP & Nebraska State Nx, wx, sports, local ads & pgms; gives WHAS fits...OK by me! (JM-PA)

6
920 WBAA IN WEST LAFAYETTE - 10/9 0557-0610 with sign-on with SSB, *Morning Edition*,
local host Mark Arnold; good signal over WMMN (RCW-MI)
940 WMAZ GA MACON - possibly the one noted 10/14 from 0505-0530 primarily dominating the
frequency w/C&W mx, dedications, and "ID" as *True Country... WMAZ?*; no ads noted
(MH-NC)
WMIX IL MT VERNON - believed the one noted 10/14 from 0459-0505 w/ad for a book,
mentions of *Mount Vernon* x3, mention of *The Larry King Show* and - MBS Nt @ 0500; two
IDs noted and both sounded like *WM??-AM* and *WJQR-FM...*; at 0505 the station faded and a
station believed to be WMAZ dominated frequency...along with suspected R. Reloj with its *RR*
CW IDs; is there a WJQR-FM? (MH-NC) [All my references list WMIX's FM as WMIX-FM,
but you know how fast that can change - Ed.]
WKGM VA SMITHFIELD - noted 10/14 with fade-up/ID @ 0530, amid other stations, as
We're the Christian station, KGM, Hampton Roads, and almost immediately faded; during ID,
the W, if announced, was not heard (MH-NC)
WCSW WI SHELL LAKE - 10/7 0705-0715 with regional and local wx, promo for *Radio*
Auction, Saturdays at 8:30 AM, and sports; poor signal mixing with WWJ (RCW-MI)
990 CHTX PQ MONTREAL - 10/1 0351 fair in mess w/CHR & IDs as *990 Hits* (RK-IL)
CHTX PQ MONTREAL - 10/14 0333 good - fair with a mix of old and new R & R, IDs as
Montreal's All-Hits Station and *The All New 990 Hits*; ex:980, must be new pattern as never
heard on 980; PQ #23 (SA-MB)
1060 CJRP PQ QUEBEC - 10/7 0607-0622 with FF mx, local ads, and *CJRP* jingles; fair signal in
KYW null (RCW-MI)
1130 WJPT NC NEWLAND - 10/10 0708 with promo for *The Old Bible Hour Sunday morning*
from 8:30 to 9 here on WJTP - Everything Is Beautiful by Ray Stevens; over/under hard-to-null
WCXI; ann KAAB was in there too (REH-ON)
1140 KPWB MO PIEDMONT - 10/15 0757 *Boy Scouts* PSA and ID (MH-NE)
1220 WKNR OH CLEVELAND - 10/11 0656 fair with *Your favorite oldies back-to-back* and
North Shore mentions; ex:WGAR; OH #35 (SA-MB)
1270 WKZT KY FULTON - 10/11 0600 fair with sign-on (RK-IL)
1330 WRAA VA LURAY - 10/10 [no time - Ed.] with tail-end of probable sign-on: *...WRAA wish*
you a pleasant good day C&W mx; lost to WELW's SSB and sign-on (REH-ON)
1380 WACB PA KITTANNING - 10/6 0512 fair, tuned into ID (RK-IL)
1390 KCRK OK ENID - 10/12 0759 strong with NOS and ID - ABC Nt (MH-NE)
1540 CHIN ON TORONTO - 10/15 0655-0715 fair - XLNT signal, with FF mx/announcements;
anner occasionally broke into EE, but no EE IDs noted (KVJ-GA)
1550 WBSC SC BENNETTSVILLE - 10/13 0626-0700 with OLD format, local ads, and ID X 2;
also noted with mention of *The Magic One* during 0700 legal ID; poor with 2 SS language
stations (looping south/southwest) providing QRM (MH-NC)
WTYR TN SODDY-DAISY - 10/7 0532-0552 with OLD, IDs as *Playing all your classic*
favorites, we're Tiger Radio, WTYR, Soddy-Daisy-Chattanooga; no ads...almost sounds like an
ET; very good before CBW sign-on (RCW-MI)
1560 KABI KS ABILENE - 10/13 0705 fair with *GM* car ad, wx forecast and several *KABI* IDs;
briefly over KKA; KS #24 (SA-MB)

0800 TO 1600 HOURS ELT

WRTALK
altona trans-audio corp.

980 KSVC UT RICHFIELD - 10/15 0820 C&W mx, ID, ad; UT #9 (MH-NE)
1140 KZMQ WY GREYBULL - 10/13 0805 good with *KZMQ playing the songs you want to hear*
& The country super station, IDs, C&W mx; WY #18 (SA-MB)
1250 KNEU UT ROOSEVELT - 10/16 0825 non-IDs as *All hit radio* and *All hit country*
(MH-NE)
1390 WQKC IN SEYMOUR - 10/8 0825 fair with promo: *Your NASCAR connection is Quick*
Country AM-1390, fade to 0833 report of rain announcements around the area followed by
Quick Country slogan, temp, TC and CL - local nx/wx/sports and hospital admissions; add
slogan and C&W format to Log (REH-ON)
1420 KJCK KS JUNCTION CITY - 10/15 0845 fair with Paul Harvey, local ads for Junction City
merchandise, *1420 Country*, wx; KS #25 (SA-MB)
1430 KAOL MO CARROLLTON - 10/11 0802 ID and local nx; new (MH-NE)

1600 TO 2400 HOURS ELT

540 KDFT TX DE SOTO - 10/11 2211 REL program, but no clear ID heard (MH-NE)
550 KCRS TX MIDLAND - 2040 ID: *West Texas sports leader*, ads for *Midwest Door and*
Window and *Jim's Window Center* - *The Warm-up Show* (pregame of *Midland vs Odessa* HS
FB (MH-NE)

650 KUUY WY ORCHARD VALLEY - 10/16 2004 NBC Nt, ID, and C&W mx (MH-NE)
720 KOTZ AK KOTZEBUE - 10/11 2140 good - fair with man and woman in Unut language
doing a lesson to the locals; actually over WGN at one point; major thanks to fellow DXer
Wayne McRae for the phone call and Fiona at work for the translation of the tape; AK #1 for
state #43! Hawaii is next!! (SA-MB) [Congrats! - Ed.]
830 WWMO NC EDEN - 10/13 2102 strong with *The Big O* IDs, REL mx, wx for Martinsville,
Greensboro; showing up morning & evening (JM-PA)
860 WGOM IN MARION - 10/15 2100 ABC Nt, local nx, ID, and *WGOM's Radar Weather*
Forecast (MH-NE)
910 KAMD AR CAMDEN - 10/11 2049 ID, local ads, C&W mx; uses *97 Country* slogans
(MH-NE) [must be for their FM, huh? - Ed.]
950 WAKM TN FRANKLIN - 10/12 2135 fair-good with Dickson County vs Franklin HS FB;
my '88 log sez 80 watts (DLH-IN) [So does the '91 edition - Ed.]
1070 WHYZ SC GREENVILLE - 10/13 2019+ loud w/WHYZ is home of classic rhythm & blues
and hot hits 24 hours-a-day & WHYZ's After Dark...; ads; strong southern AU (JM-PA)
1090 WMYD WI RICE LAKE - 10/15 1915 strong with ID, ads and OLD; new (MH-NE)
1130 WISN WI MILWAUKEE - 10/15 1849 ID, ads, Milwaukee Admirals HKY pre-game show;
WI #26 (MH-NE)
1150 WYRS SC ROCK HILL - 10/13 2246 poor with plug for CNN Headline Sports; C&W mx;
59 watts (DLH-IN)
1170 WPLX TN COLLIERSVILLE - 10/6 1930 sign-off with female anncr, giving address
(KVJ-GA)
1190 KKOJ MN JACKSON - 9/30 2028 fair - good with sign-off (RK-IL)
1210 WOGL PA PHILADELPHIA - 10/10 2356 good with WOGL IDs, sports talk & contest; in
KGYN null; Pa #8 (SA-MB)
1300 WSYD NC MOUNT AIRY - 10/13 2305 quick ID, OLD, then gone (DLH-IN)
1360 WRSB NY BINGHAMTON - 10/8 1808 with *Bridge Over Troubled Water* by Simon and
Garfunkle followed by male DI: *1360 WRSB, oldies but goodies. I'm in downtown Binghamton.*
We'll be having the Gold Rush in about 35 minutes...on 1360 WRSB; poor but on top the mess;
been after this one a long time (REH-ON) [Good thing you got them with old CLs...now try for
them again!! Old slogan was *Rockin' Solid Gold* - Ed.]
KNRB TX FT WORTH - 10/11 1952 strong with nx, ID & TC (MH-NE) [Mike, these are
correct calls - Ed.]
1380 KUVN NE HOLDREDGE - 10/12 2107 *Holdredge vs Broken Bow* HS FB (MH-NE)
1390 WADA NC SHELBY - 10/13 2050+ w/HS FB battling w/WCSE (JM-PA)
WRIG WI SCHOFIELD - 10/15 1841 ads for places in Wausau and Schofield-ID (MH-NE)
1440 WDCS KY GLASGOW - 10/16 1905 mention of Glasgow Fire Dept during local nx
(MH-NE)
WZYX TN COWAN - 10/16 1907 simulcasts channel 4 news; new (MH-NE)
1450 WRCO WI RICHLAND CENTER - 10/15 1950 clear ID heard, then faded; new (MH-NE)
1540 WTBI SC PICKENS - 10/8 1900 ending a syndicated thing called *The Old Gospel Ship*; 1902
legal ID: *You're listening to alternative radio. WBTI Pickens - ? - Greenville. The right spot on*
your dial, good in beginning, faded during ID (REH-ON)
WRBN VA RICHMOND - 10/13 1915 fair with wx, then *Richmond's Business News* slogan
(KVJ-GA)
1550 WTYR TN SODDY-DAISY - 10/13 2122 OLD, XLNT; *You've found the new Tiger, WTYR*;
anybody have the true night power? must be more than 11 watts (DLH-IN)

REPORTERS

REH-ON CHARLES REH//Leamington, ON/R-390A + Sanserino Loop + TR-3000 open reel tape
recorder/keeping me on my toes
MH-NC MIKE HARDESTER//Camp Lejeune, NC/ICOM R-70 + Radio West 18" ferrite loop,
scissors (X2)
KVJ-GA KARL JETER//Stone Mountain, GA/HQ-150 4' amplified loop/LWs
BJ-NJ ED JANUSZ//Bricktown, NJ/canadio
DP-HI DALE PARK//Honolulu, HI/*Baseball America*
WH-CO WAYNE HEINEN//A-Roar, CO/R-390A w/4' loop, RW; TRF-655
RK-IL ROBERT KRAMER//Chicago, IL/R71A, R-1000, HQ-129X + 2 RW Loops. Kowalski Loop,
and Kantronics Signal Enforcer Peak/Notch filter
RCW-IL BOB WALKER//Wixom, MI/ICF2010, ICF2003 + RW Loop
MH-NE MIKE HAWK//Omaha, NE/R-1000 + 2' coax loop
SA-MB SHAWN AXELROD//Winnipeg, MB/R-70 + 100' LW or 3' loop
DLH-IN DAVE HASCALL//Fortville, IN/Superadio, DX-400 + Sanserino Loop
PC-VA PERRY CRABILL//Winchester, VA/R-5000 + 65' Inverted 'L' and CTR-75 cassette recorder
JM-PA JOHN MALICKY (Mr. Convention)//Pittsburgh, PA/Superadio II

South Dakota's LEADER
KXRB
AM 1000

73 - Bill

ALL-TIME BEST PERSONAL CATCHES

MEDIUM WAVE ramblings

- Some great memories are included here. As well as a good catch or two!! My thanks to all who took time to share their best catches with us.
- A few rules have been bent in bringing you this report, mostly in the line of abbreviations and standard time references. Also, I have taken the liberty to paraphrase the original text in a couple of cases. Thanks to Rick Dau for spawning the idea for this special edition. Enjoy, and ah, let's do it again sometime!

- 530 CJFT ON FORT ERIE - fall/1980 with just 250 watts! [TIM HENDEL//Daytona Beach, FL//RF2200]
- 560 MTCY MANCHOUKUO HSINKING - Feb ??, 1937 1905-1915 Japanese Local Time; 10kw operation broadcasting news in Japanese, relayed from Tokyo; QSL signed by H. (?) Kato, MTCY Production Staff [CARROLL H. WEXRICH//Baltimore, MD//]
- 610 CHTM MB THOMPSON - 5/9/1984 0316 noted poor but alone with POP mx + ID. After over 20 years of DXing & nearly 3700 stations logged it's difficult to single one out as the best logging. However, after much thought, I have selected CHTM as mine. 610 in Chicago was usually dominated by WDAF, WSGN (now WZZK) & WIP to an extent that little else was ever heard. Additionally the time of year that this was heard and the poor skywave characteristics of 610 made CHTM an unlikely logging. I looked for it a lot during the great 1979-1980 season (when conditions favored the North) to no avail. When I noted the weak signal that morning I had no idea what it was, as the frequency was uncharacteristically dead. It seemed the usual three dominating stations were off (which I later found out was not true). CHTM was just on for a brief period with music, a PSA for a community center in Thompson, and an ID. At 55 degrees 48 minutes North latitude, it was my second-furthest North BCB logging with only KF00-750 topping it. But CHTM is by far my most-North station on a regional channel, and with only 1000 watts. With the frequency characteristics, the distance of almost 1100 miles, the location which is closer to the Northwest Territories than to Winnipeg, the rarity of loggings this far to the North due to Auroral displays, and the fact this station isn't even easy in Winnipeg, I have made CHTM my best catch. [ROBERT KRAMER//Chicago, IL//]
- 655 YSSS SLV SAN SALVADOR - Winter weekend nights late in 1985 from Fayetteville, AR with both Selectantenna & Shotgun antennas as well as Shotgun only, and this Spring from Kansas City, MO with both antennas in parallel; weak to very weak [JEFF LEWIS//Fayetteville, AR & Kansas City, MO//Grundig Satellit 4000]
- 700 UK2NR AUS GRAFTON - 10/31/1937 2000-2030 EST (Australian Time or 0400-0430 CST Time) I consider it to be my best catch because of the distance (8970 miles) and their power (7 kw at the time). WLU went off at Midnight then [B.B. McCLURKAN//Denton, TX//16-tube Midwest Radio + 150' LW 35' high running WNW by ESE]
- 735 HCB81 EDA QUITO - 12/13/79 2107 an approximate 3000 mile catch [PAUL SWEARINGEN//Moran, KS//]
- 780 AFRTS PR RAMEY AFB - 3/22/71 0240-0401 fair and alone on channel with Top 40 mx and nx of Viet Nam. Only 50 watts. WBBM was either off or wiped out by the Aurora - there is no reference to WBBM in my notes so I tend to assume they were off; no trace of the usual Cuban or occasional YU either; just AFRTS all by itself and it was fun [MARC DE LORENZO//Hyannis, MA//HQ-129X + 100' LW]
- 827 RADIO SOFIA BULGARIA - 12/22/64 just after LSS in Montreal. Ranks as #1 because of the effort I put into it, and the slopover from my locals CJAD-800 and CKUL-850. I first heard this station briefly

on 11/29/64 but didn't get enough data for a report. At the time it was the most easterly IA I had ever heard and it became my #1 target. Every weekday for the next 23 days I left my university studies at McGill one hour early. The 4:40 commuter train got me home just in time to try for Sofia. I consistently heard an earfull of CJAD and CKYL, and no IA! Weekends were no better. That winter of '64/'65, the IA reception was superb, as noted in Ben Dangerfield's article in *DX News* 1/22/90. But in Montreal, it fell off between December 1-20, and I was discouraged. MM 12/21 it picked up again, with four new IA's logged. On 12/22, I indulged in an even earlier train, the 4:10, hoping for Sofia again. And there it was, at 5 PM. There was no local slopover

and WNYC-830 provided negligible interference. At 5:27 ELT the signal picked up with a Russian ID "Govorit Sofia", exactly as listed in WRTUH. Those two words "made" my whole winter. The subsequent verie was only an anti-climax [ANDY RUGG//Montreal, PQ//]

- 830 KIKI HI HONOLULU - 3/30/64 0333-0355 during WCCO SP. Seemed to be a TLK pgm as no mx heard, but was frequently interrupted by WCCO test with on/off QC and IT, however two clear call IDs were hrd. Had heard unnn K200-1210 in JJ at nice level a few minutes earlier which gave me the incentive to give this one a try and it paid off; my best catch because of distance and low power (back in '64 KIKI operated with only 250w). Also my most painful catch because when WCCO threw their carrier on, they were already modulating with 1000 kc IT (we didn't use Hz back in those days) and with the gain cranked up to max it was very unpleasant to say the least. My ears are still ringing [CHARLES REH//Leamington, ON//]
- 891 RTA ALB ALGER - 1/3/86 2150 with Arabic mx, Algeria's Home Service/Arabic Network [MALCOLM KAUFMAN, DXAS//Cambridge, MA//ICF-65000]
- 1000 KOMO WA SEATTLE - 2/27/89 0428-0437 fair under KIDK with AC mx, (Nilsson, Judy Collins, Billy Joel), promo by Paul Harvey for his show @ 0434; heard the 0406 sign-off from CBU-690 indicating an opening to the West Coast; 1st logging from Washington State for state #40; verified in 8 days [CRICK DAU//Oakland, IA//R-1000 + Radio West Loop]
- 1260 CFRN AB EDMONTON - late 10/75-early 11/75 #0200 during phenomenal conditions east to west, I was DXing at my parents house on Long Island, NY with my Heathkit GR-78 and SM-1 Space Magnet "parked" on 1260. My stomach nearly fell to the floor when CFRN piped in, sometimes fading up to armchair levels. It came in and out for about 25 minutes. Clear IDs were heard, with plenty of information gleaned for a QSL report, and I received a nice full color QSL card. I was so mesmerized by hearing CFRN that I stupidly didn't try for CBK or CBX, both of which were logged by Bob Foxworth the same morning. Bob lived about 5 miles from me at the time. [BOB GALERSTEIN//now of South Hackensack, NJ//]
- 1386 URS LENINGRAD - no other details supplied [DON LYNCH//Wilbraham, MA//]
- 1395 R. TIRANA ALB TIRANA - winter 64 or 65 with R. Tirana interval signal, sign-on mx (the same as they use today), and the pgm was in SS, beamed to Spain. Best catch because of the distance [TIM HENDEL//Hamilton, NY (attending Colgate U.)//SX-96 + 20' wire]
- 1425 AFRTS GRL THULE - winter/74 power: 1 kw. ID in EE: "From The Land of the Midnight Sun, this is AFRTS Thule, Greenland [MORRIS SORENSEN//Wassagamach, MB//]
- 1475 AFRTS RIO DIEGO GARCIA - 8/25/77 power: 250 watts. Reason for my choice of this QSL is a combination of distance, low power, heavy QRM on and near 1475, and the overall feeling of reward for the effort of putting up the antenna and ensuring that the receiving site was livable despite invasions from local wildlife [JOHN CAMPBELL of London, England//DXpedition at Cape Jarvis, Australia (60 miles south of Adelaide)//Barlow-Wadley XCR-30 portable + LW hung in trees & bushes in the general direction of Africa]
- 1590 KEND TX LUBBOCK - 3/15/1976 0035 a good signal with female ending a newscast, an ID and into NBC News & Information Service (remember that?). Very, very strange conditions that Monday morning of almost 15 years ago. Also in that morning was WLBK, 1590 Lebanon, Kentucky as a tentative, KATZ-1600 St. Louis, and WEMP-1250 in Milwaukee. KEND's power at the time was listed as 1000 watts [HARRY J. HAYES//Wilkes-Barre, PA//]

73. Bill

The Answer Man

Got a question about radio? Send it to NRC's Answer Man: Russ Edmunds - 753 Valley Rd. - Blue Bell, PA 19422-2052. No question is a dumb question, and Russ will answer all, from basic to highly technical. Watch for the answer in *DX News*!

Join the verification game!

Now, you can help out with station tests. Here's how: Send Wayne Heinen - 4131 S. Andes Way - Aurora, CO 80013 two 25¢ stamps per station, and Wayne and Jeff Tynan will print and mail an effective test request letter for you. You can either specify station and time, or just take pot luck. Increase your veries and help other NRC'ers at the same time... join the verification game!

International DX Digest

Foreign DX Catches. Times are UTC; for ELT, subtract 5 hours

After several weeks of excellent Hawaii loggings from Dale Park, we finally get a full run-down of what it's possible to hear on the east coast. A special treat: TP DX from Massachusetts, courtesy of Ray Moore, and DX from 500 miles north of the Arctic Circle with Brian Vernon! Check it out: more than thirty countries reported this week!

EUROPE/AFRICA

- 162 USSR Norilsk 2207 10/1. M in RR, topping France. [BV]
- 207 ICELAND Vatnsend/Eidar 0048 10/4. Terrible folk-type mx // 738, no sign of 666. [BV]
- 216 NORWAY Oslo 2204 10/1. Rock n roll mx, // 1314. [BV]
- 585 SPAIN Madrid 0353 10/8. Fair w/pop mx, SS talk. [MC]
- 594 USSR Yaniseyk etc. 2208 10/2. Male singing, big echo noted here // 171,549, 567,612,639,873,936,945,1026. [BV]
- 612 MOROCCO Sebba-Aioun (tent) 0051 10/8. Bits of mx, seemed to be AA. [MC]
- 666 PORTUGAL Lisboa 0124 10/8. Good with plaintive PP male folk vocal & acoustic guitar. [MC]
- 684 SPAIN Sevilla 0050 9/23. M & W in lang, didn't sound like SS, // 774. [RM]
- 738 SPAIN Barcelona 0130 10/8. SS talk by man at low audio level on good carrier. [MC]
- 738 POLAND Poznan 2311 10/1. W w/EE mx // 1503. [BV]
- 747 NETHERLANDS Flevoland (tent) 2312 10/7. "Daniel" by Elton John; briefly peaked to a fair level. [MC]
- 765 SENEGAL Dakar 2309 10/7. AA talk, fair, plus 0035 10/8 like a local! Mx on guitar-like instrument; then talk by woman in accented FF. [MC]
- 774 SPAIN synchros 2307 10/7. Good w/news by man in SS; fast SAH present. [MC]
- 774 SPAIN synchros 0100 9/23. M in SS. [RM]

Jim Renfrew

61 Wilcox Street
Rochester, NY 14607-3832

- 783 PORTUGAL Miramar 0446 10/8. Bits of PP talk, mostly just a carrier. [MC]
- 792 SPAIN Sevilla 0338 10/8. Poor, w/SS talk. [MC]
- 837 FRANCE Nancy 0138 10/8. Good, w/classical mx. [MC]
- 846 ITALY Roma 0139 10/8. Good, w/mellow I1 vocal, some WHDH slop. [MC]
- 855 SPAIN Murcia and others 2334 10/7. SS talk, poor in WHDH slop. [MC]
- 873 SPAIN Zaragoza 0443 10/8. Man in SS, o/SAH. [MC]
- 882 ENGLAND Washford and others 0140 10/8. EE discussion program, o/UNID station. [MC]
- 882 CANARY ISLANDS 0055 9/23. Assumed w/M in SS. [RM]
- 891 ALGERIA Algiers 2328 10/7. Good w/AA male vocal & violins. [MC]
- 891 ALGERIA Algiers 0054 9/23. Mx w/M vocal. Strong signal. [RM]
- 999 SPAIN Synchros 0328 10/8. Operatic SS female vocal o/others. [MC]
- 1017 GERMANY Wolfsburg 0326 10/8. GG male vocal, "boomah" band accompaniment. Slight 1015 LA het & KDKA/YVRS skip. [MC]
- 1035 PORTUGAL Lisboa 0147 10/8. Excited PP announcer, sound effects, dance and romantic styles of mx. [MC]
- 1062 PORTUGAL Sao Salvador (tent) 0152 10/8. Operatic mx, talk by man (sounded PP). Audio on talk was restricted, as if through a telephone. [MC]
- 1089 ENGLAND synchros 0439 10/8. EE talk, rock, poor in WBAL slop. [MC]
- 1098 CANARY ISLANDS Santa Cruz de Palma 0154 10/8. Fast SS talk, mixed w/2 others. [MC]
- 1107 SPAIN synchros 0156 10/8. Softly spoken SS talk by man. [MC]
- 1251 LIBYA Tripoli 0243 10/8. AA talk by woman. [MC]
- 1314 NORWAY Kvitsoy 0207 10/8. NN talk by woman, plus 0242 10/8, blasting in w/jazz and new age mx. [MC]
- 1521 SAUDI ARABIA Doha 0303 10/8. Male AA a capella chanting at powerhouse level (blitzing WWKB). Station noted under w/talk by woman - possibly SS. [MC]

- 1530 VATICAN CITY 0409 10/8. Slavic talk, annihilating WCKY. [MC]
- 1539 GERMANY Mainflingen 0416 10/8. GG talk in WPTX slop. [MC]
- 1557 FRANCE Nice 0418 10/8. FF vocal. [MC]
- 1575 UNID 0420 10/8. Strong carrier; too much slop to allow extraction of audio. [MC]
- 1584 SPAIN 0419 10/8. Fast SS talk in jumble of co-channel stations. [MC]
- 1593 GERMANY Langenberg 0310 10/8. LOUD! Chuck Mangione instrumental, SS talk by man, then "I Can Hear Music" by the Beach Boys. [MC]
- 1611 VATICAN CITY 0410 10/8. Good to excellent w/Slavic talk, Vatican mentions at 0415. Huge signal, wasting 1610 stuff. [MC]

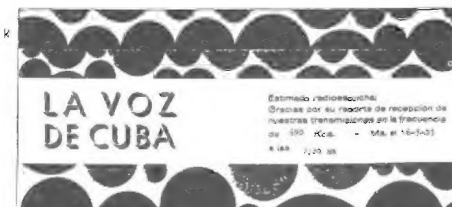
NORTH/SOUTH/CENTRAL AMERICA/CARIBBEAN

- 590 CUBA R. Reloi 0826 10/19. Strong ticking and cw IDs u/WMB, poor audio. [JR]
- 705 ST. VINCENT Kingstown 0039 10/8. Fair, w/religious mx. [MC]
- 730 MEXICO XEX, Mexico City 0550-0645 10/14. Powerful signal o/CKAC w/mx, ads and frequent slogan ending "...noventa." Gave call letter ID at 0630, but no Radio Festival IDs as heard in past years. [JR]
- 730 JAMAICA JBC 0654 10/20. Presumed with Carib. accent and soca and reggae mx. [JR]
- 780 VENEZUELA Ecos del Torbes, Caracas 0435 10/20. Weak u/WBEM, w/popular mx, inc. cumbias and salsa //4980. S/off 0600 w/NA. [JR]
- 825 ST. KITTS Basseterre 0137 10/8. Good, w/hymns [MC]
- 895 ST. KITTS Nevis 0141 10/8. Man in Carib. EE, then mellow soul mx. [MC]
- 1060 MEXICO R. Educacion, Mexico DF 0734 10/19. Mx Folklorica, etc. signal // 6185. [JR]
- 1165 ANTIGUA St. John's 0203 10/8. Man in EE preaching (US-produced program). [MC]
- 1375 ST. PIERRE ET MIQUELON 0005 10/8. FF talk by man ("tinny" audio) at strong level. [MC]
- 1555 CAYMAN ISLANDS R. Cayman 0620 10/20. Exc. between fades with Soca mx, then s/off w/GSO 0633. "Soca" means "soul calypso," and is very hot to listen to! [JR]
- 1610 ANGUILLA Caribbean Beacon 0513 10/20. Good, w/EE preacher. [JR]

ASIA/OCEANIA/PACIFIC

- 540 CHINA (various sites), CPBS-1 1125 10/8. M talking CC // 1035. [BV]
- 558 SOUTH KOREA HLDH, Po'hang 1058 10/8. Spot for Maxwell House, other KK spots, ID sounded like "H.L.G. Her," pips at 1100. [BV]

- 594 CHINA various sites, CPBS-1 1542 10/6. Female singer // 639. [BV]
- 747 UNID 1021 9/19. Carrier noted bearing A260 deg, hrd wgn 10/3 1022-1027. [RM]
- 756 CHINA various sites, CPBS-1 1430 10/6. Orch. mx // 639,1035,1125. [BV]
- 828 JAPAN JOBB, Osaka (no time or date). EE interview // NHK-2 693,747,774. [BV]
- 864 NORTH KOREA KCBS, Shinuiju 1135 10/2. Female singer // 819. [BV]
- 999 NORTH KOREA, KCBS, Hanhung 1053 10/6. Choir type mx // 819,864 [BV]
- 1035 CHINA various sites, CPBS-1 1131 10/3. Best China freq. so far. Male CC talk, marked echo sound also. [BV]
- 1143 SOUTH KOREA KBS, Cheju (tent) 1117 10/2. M & W giving EE lessons. [BV]
- 1431 IRAN Esfahan (tent) 2227 10/6. Male AA type sounding talk, 2230 pips, which would suggest this, excellent signal. [BV]
- 1449 IRAQ site unknown 2255 10/8. Anthem?, then CC 2259. Have anthem on tape. S/off would suggest this, AA type singing noted here earlier. [BV]
- 1548 AUSTRALIA (tent) previously rarely heard carrier 10/11 1027-1040, 1013 1025, 10/14 1025-1045 on verge of audio. [RM]
- 1566 UNID 1015 9/20. First time ever carrier noted. [RM]
- 1575 UNID 1014 9/20. Close to audio, also carriers 1019 10/8 & 1027-1040 10/11. [RM]
- 1593 UNID 1015 9/20. Carrier here, first time ever. [RM]
- 1620 AUSTRALIA generally stronger than 1629 this season. Audio hrd 1011-1019 9/20, 1014-1033 10/5, 1015-1039 10/8, 1024-1033 10/9. Carrier audible 90% of mornings. [RM]
- 1629 AUSTRALIA Best reception of season w/M talking 1041-1049 10/14. Audio also noted 1009 9/20, 1021-1033 10/8, 1025 10/9. [RM]



TP TIPS FROM RAY MOORE

"I still get a thrill every time I hear those 500w Aussies on 1620 and 1629 10,000 miles away, but hardly anyone else seems to be interested in them. I check the TP frequencies every morning just before local sunrise. The 1620 and 1629 stations invariably peak between 10 and 20 minutes before 1SR."



"Nanisivik, NWT, is a small lead-zinc mining community located at the top end of Baffin Island, about 25 miles northeast of Arctic Bay (500 miles north of the Arctic Circle) ... DX is fantastic, lots of Europeans, but shocked with the clarity of the Asians ..."

CONTRIBUTORS

(MC) Mark Connelly WA1ION, West Yarmouth MA
Sony ICF-2010 w/Gerry Thomas filter mod.
Two 37 meter longwires, w/phasing unit.

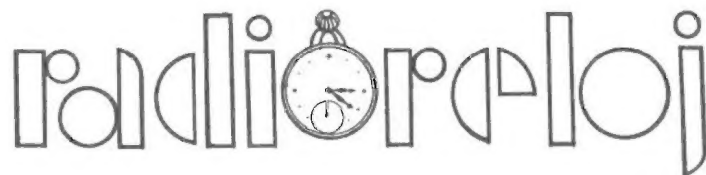
(RM) Raymond Moore, Walpole, MA Homebuilt
receiver, 3 ft passive loop

(JR) Jim Renfrew, Rochester, NY HQ-150,
longwire, broken SW-1

(BV) Brian Vernon, Nanisivik, NWT Drake R-7A,
2 1500' longwires on the ground (no
trees)

Please try to mail your report so it reaches
me on Saturday, as I put the column in the mail
to Topeka on Monday.

JIM



Radio Roundup

News of the industry and personalities, of interest to DX'ers

Pete Kemp (KZ1Z)

P. O. Box 73
Bethel, CT 06801

Greetings all...ABC and CBS Radio Networks have signed an agreement to develop a new satellite distribution system to go on line in August 91...F.C.C. Chairman Al Sikes says that complete attic to basement review of commercial broadcasting regulations is slated for Spring of 1991...Pirate Radio broadcasters Allan Weiner have "gone straight" their Radio New York International programs may now be heard legally using the facilities of WWCR in Nashville, this time on shortwave, 7.320, instead of the commercial medium waves...The ABC Network has dropped Barry Farber and Dr. Joy Brown talk shows. Both have been picked up by a new network to be called Daynet. Also joining Daynet will be Alan Colmes. The new network has signed up 100 affiliates and hopes to go 24 hrs a day, seven days a week...The Texaco-Metropolitan Opera relation is beginning its 50th year on WQXR-1560 in New York City...International type may note that the two year construction delayed VOA Operation in the Negev Desert in Israel has been lifted...From the sport's humor depart a small New Jersey radio station, WJRZ, has offered George Steinbrenner the position of General Manager of its station's softball team...KMOX in St. Louis will carry the football games of the Kansas City Chiefs...WKFD, in Rhode Island is currently operating with a wire attached to a bright orange gas filled balloon 120 feet up. The reason? Its tower finally rusted out and fell into the sea. A new antenna is currently under construction...David Brudnoy is back on WBZ-1030, following a two month absence. His fans wrote letters and expressed their displeasure with the station's termination of his show. He returns to his evening talkshow spot...Being an oldies fan, I cry for WEEF's decision to drop it's Oldies Format. They have gone all the way with the Business Radio Network...NBC Radio has signed a five year deal to carry the Orange Bowl football games...WLAD-800 has been having troubles with its automated equipment lately. During the evening hours they hook in with the Business Radio Network and at 11:00 p.m. switch to Mutual for Larry King and Jim Bohannon from 5:00 to 5:30 when they commence local programming. Their switcher has decided not to find Mutual, at 11:00 p.m. and the local night owls are not too happy. This condition went on for a few days before the station corrected the problem. Kind of makes you wonder if the station personnel listen to their own station at night. Their nighttime signal isn't the greatest. I live with sight of their antenna and can hear CKLW underneath them without any difficulty. The station has also added Dr. Dean Edell to its line up locally in the 2-3 p.m. spot. The problem? Its a delayed broadcast. If you want to talk with the doctor, you have to phone his number from 4 to 5 p.m. and tell your friends to listen the following day, depending on whether you want your "condition" to be known to the neighbors...So much for now.

Professional Sports Networks

Barry S. Finkel

10314 S. Oakley
Chicago, IL 60643

Network listings for team sports stations

Quebec Nordiques 90-91 (from "Official Calendar" via Andy Rugg)

580 CHLC-PQ	1060 CJRP-PQ	1230 CJLP-PQ	1330 CKLD-PQ	1400 CJFP-PQ
590 CKRS-PQ	1140 CJTR-PQ	1240 CJMD-PQ	1340 CJAN-PQ	1420 CKTL-PQ
620 CFRP-PQ	1150 CJRC-PQ	CJAF-PQ	1350 CHAL-PQ	1450 CHEF-PQ
1000 CFLP-PQ	1220 CKSM-PQ	1280 CJMS-PQ	1380 CFDA-PQ	CHRT-PQ
1040 CF22-PQ	1230 CHVD-PQ	1310 CHGB-PQ	1400 CKFL-PQ	1460 CKRB-PQ
				1510 CJRS-PQ
				93.9 CJTF-PQ

Will radio become a wave of the past?

By JAMES WARREN

BOSTON — September fear and loathing in Boston tends to involve the floundering Red Sox. But now the fretting fatalists here have company from the nation's generally prosperous radio broadcasters. They wonder if their 10,000 AM and FM stations might somehow go the way of the horse and buggy as a result of a new technology, digital audio broadcasting.

At the annual Radio Convention of the National Association of Broadcasters here last week, the hottest topic for the 7,000 attendees was what may constitute the biggest development in radio since the advent of FM in the 1940s.

Digital audio is an interference-free, compact disc-quality signal that can be delivered via ground-based and satellite transmission systems. The satellite method especially rankles radio's hierarchy, who cite a specter of national, even global stations that could wipe out the sort of "localism" they profitably cherish.

More than 500 station executives packed a room last Thursday to hear a presentation titled, "Digital Audio Broadcasting: Friend or Foe?"

These days, that seems a bit of a rhetorical question. Many radio honchos are convinced that what could be a consumer godsend is perilous to the health of an industry with projected 1990 ad revenue of \$9 billion, a 7% increase from last year.

The potential obsolescence of the current "analog" transmission system was alluded to by John Abel, association executive vice president, who told the workshop. "Many broadcasters have asked how long can we expect to remain competitive with an analog system when the consumer expects ever-increasing quality sound that is equivalent to compact disc-digital quality."

As Abel acknowledged, the technical advantages of digital audio are clear, and quite literally so.

It's "vastly superior" to FM; it's resistant to interference, and it needs much less power and thus is cheaper. It raises the prospect of stations with vastly different power capabilities, say a 50,000-watt station and a 1,000-watt station, competing on virtually a level playing field.

European tests reveal the lure to consumers. "The sound quality was fantastic" in such tests,

Abel admitted, with no breakup of signal as a car traveled through tunnels, underpasses and covered bridges.

Imagine taking your radio into or under any building, or on a subway, and still getting perfect sound, and you have a sense of why digital audio may represent a breakthrough.

The financial implications to the consumer electronics business alone are staggering.

Last year, Abel noted, there were \$10 billion worth of audio products sold, or nearly one-third of all electronics. Digital audio would instantly make obsolete your radio — some transition period of analog and digital simulcasting likely would play out — but digital manufacturers would smile, since Americans own 500 million radios.

At June's Consumer Electronics Show in Chicago, several manufacturers unveiled digital audio tape recorders that they will start selling for less than \$1,000, with the tapes going for about \$13 apiece.

FEDERAL regulators are only starting to tackle the implications of digital audio broadcasting, including formulation of relevant licensing rules.

The government, for example, would have to decide how much space in the spectrum to allow for the new signals. It's possible that in a city such as Los Angeles, which now is home to more than 80 signals, one might wind up with far fewer, perhaps 50 or 60.

A New Jersey station owner rose to ask whether he should hold off on \$150,000 in technical improvements if, in fact, digital will make those changes moot. Panel members, all reflecting the basic association stance, told him to go ahead, that digital might not come until the late 1990s. Others say it will be far sooner.

Is it really possible that owners will see their valuable investments rendered worthless as upstarts get licenses for a new technology that makes their stations look like museum artifacts?

One never knows for sure, but it seems unlikely that the government would render billions of dollars in such investment useless, especially given the broadcasters' political clout.

— Chicago Tribune

Chicago Tribune
—via Pete Kemp

66 TIMES AN HOUR?

A Mayville reader, B. Harvey, counted the number of times that WTMJ (620 AM) proclaimed its identity on a recent weekday morning.

Thirty-three times in 30 minutes! Harvey writes:

"Up until a few months ago, WTMJ was my prime station, with WGN second. They are so annoying now that it is a pleasure to hear a

60-second commercial so you don't have to hear the call letters. After 25 years of listening to TMJ, I've switched to WGN."

If Harvey's count is correct — it translates to an imbecilic 66 station identifications per hour — I apologize for criticizing WOKY for telling its announcers to try for a mere 50 times an hour.

Paul LeSage, vice president and general manager of WTMJ, says: "I don't think we're doing anything that anyone else isn't doing. You guys put 'The Milwaukee Journal' on the top of every one of your pages, right?"

The Milwaukee Journal
—via Bob Knitter



Mystique of the Three-Letter Call

by Thomas H. White (from CompuServe via Pete Kemp)

Three-letter calls in the United States are an emotional topic for many -- the "passing" of one leads to mourning and oratory on the need to protect these historic creatures from extinction. However, some misconceptions exist about these calls. This is a review of the origin and history of these unique calls, plus information on some equally historic four-letter calls.

By today's standards, the continued emphasis in the United States on call letters for radio, an entertainment and information service, is something of an anachronism -- most other countries have long since switched to slogans or network IDs for establishing public identity. One can imagine the cries of outrage which would result if a stuffy bureaucrat were to try to force, say, the New York newspapers to deal with the public through their "newspaper signs" of "WNYT" or "WPST". What kind of circulation would magazines entitled "WTME", "KPLA", and "KQQ" garner? Still, with over 75 years of tradition, call letters are fixed upon the American psyche. Besides, they make bookkeeping at the Federal Communications Commission easier.

ORIGINAL REGULATIONS

The use of identifying letters is almost as old as radio itself. Because all early radio work was done in telegraphic code, spelling out an operator's name or location was too cumbersome. Abbreviations of two or three characters, usually initials of geographic location or personal or ship names, were naturally more convenient. Operators independently adopted identifying "call signs", so that stations "calling" through the ether were able to link up with a minimum of sorting out identities. Unfortunately, during the self-assigned era there were few standards, which resulted in problems when, say, two or more ships chose the same call. Unique identifiers, organized by national origin, were needed in order to keep track of exactly which vessel was in danger of visiting Davy Jones' locker.

With the adoption of the "Radio Act of 1912" by the United States this practice became formalized under federal authority. Under international agreement initial letters were allotted among the various nations. The 1913 edition of "Radio Stations of the United States" records the contemporary practices for allocating calls for land and sea stations, which at that time were few enough to all be accommodated by three-letter calls:

The call letters assigned to the United States are all combinations (676) beginning with the letter N and all (676) beginning with the letter W, and all combinations (598) from KDA to KZZ, inclusive. [NOTE: Germany was assigned the KAA-KCZ allocation] The total number of international calls is thus 1,950, and these are reserved for Government stations and stations open to public and limited commercial service. All combinations beginning with the letter N are reserved for Government stations and in addition the combinations from WUA to WVZ and WXA to WZZ are reserved for the stations of the Army of the United States. The combinations KDA to KZZ, with a few exceptions, are reserved for ship stations on the Atlantic and the Gulf of Mexico and for land stations on the Pacific coast. The combinations beginning with W (except WUA to WVZ and WXA to WZZ as already indicated) are reserved, with a few exceptions, for ship stations on the Pacific and Great Lakes and for land stations on the Atlantic and Gulf coasts and in the Great Lake region.

Notice the policy was that coastal ship station calls started with a different letter from that used by the land stations they communicated with: coastal ship stations were assigned W-- calls in the West and K-- in the East, while the reverse was true for land stations, with K-- in the West and W-- in the East.

Amateur and experimental stations fell into a separate call sign scheme. In fact, the International Bureau at Berne did not have to be notified of their existence. The U. S. was divided into nine radio inspection districts, and amateurs received calls beginning with their district number and followed by a pair of letters, for

example BMK. An X as the first letter was reserved for experimental stations. Similarly a Y designated the station as being operated by a technical or training school, while a Z conferred "special amateur status". Run of the mill amateurs made do with the less exotic letters of the alphabet. The 1913 Radio Stations of the United States noted that "The three items--a given figure first, followed by two letters of the alphabet--thus may be combined in 598 different calls, which will probably suffice for the amateur sending stations in most districts for some time to come". (More letters and numbers were added as the number of amateurs grew. Also, as the range of amateur stations increased it became necessary to "internationalize" their calls, so in 1928 W and K prefixes were added).

REFINEMENTS

The Bureau of Navigation, a division of the Department of Commerce, understandably was required to refine its allocating schemes occasionally over the years. In the early teens most non-amateur land stations engaged in ship-to-shore communication, and were found clustered along the coasts. As other services were developed stations crept inland, and a dividing line between the western K's and eastern W's was needed. Although its location is not spelled out the rules, it is possible to make an educated guess how the original boundary was chosen. As noted earlier, coastal land stations in states along the Atlantic and Gulf coasts, including Texas, received W calls. Thus, using the Texas-New Mexico border as a starting point and heading north, the boundary was formed by the eastern borders of New Mexico, Colorado, Wyoming, and Montana.

It was only in late January of 1923 that the current boundary of the Mississippi River was adopted. This meant new call grants in North and South Dakota, Nebraska, Kansas, Oklahoma, Texas, Iowa, Missouri, Arkansas, and parts of Minnesota and Louisiana became K's rather than W's. However, existing stations west of the Mississippi were permitted to keep their now non-standard W calls. Thus pioneer broadcasters such as WKY Oklahoma City, Oklahoma, WOJ Ames, Iowa, WHB Kansas City, Kansas, and WDAY Fargo, North Dakota remain as monuments to the period before the boundary change.

World War I also had a disruptive effect. German submarines did much to popularize radio among American ships as wireless, formerly an expensive option, became a life or death necessity for making the Atlantic run. Unfortunately, there just weren't enough three-letter calls to go around. The obvious solution was more letters, and four letter KE-- signs became the predominate issue for the rapidly expanding ship service, generally issued on a first come, first served basis in alphabetical order. The department, apparently noting that oceans are connected and ships might show up on either coast, no longer tried to differentiate ships by the waters on which they sailed.

The less numerous land stations continued to receive three-letter calls, as turnover insured a modest reserve pool. (Actually "turnover" is in some cases a euphemism. A few land stations, including broadcasters WSB Atlanta and KLZ Denver, received calls which became available with the demise of the ships that had used them. Superstitious seafarers objected to being issued the calls "used by that ship which went down with all hands last month", so some "tainted" calls were quietly issued to unsinkable land stations instead.)

Showing partiality to vowels, the next major blocks drawn upon for ship stations were KI--, KO--, and KU--. Having exhausted the vowels, the first available consonant, KD--, was drafted beginning June 1920. At this point an anomaly occurred. The Bureau, perhaps caught up in a burst of egalitarianism, began assigning KD-- calls to most stations, land or sea. The result, on October 27, 1920, was that a new Westinghouse station in East Pittsburgh, Pennsylvania, KDKA, was sandwiched between the ships "Montgomery City" (KDJZ) and "Eastern Sword" (KDKB). The "KD-- for everyone" policy continued until April, 1921, when the original three-letter land station policy was reinstated. This meant that, in May, 1921, when the second Westinghouse broadcast station, WJZ in Newark, New Jersey (now WABC in New York City) was authorized, the original call policy had been restored. Much speculation has occurred about the unique status which the KDKA call seems to confirm, but actually this uniqueness is a fluke, due to the fact that no other surviving broadcaster was licensed during this short anomaly. Had KDKA been

licensed a few months earlier or later it most likely would have gotten a three-letter W call like everyone else.

[NOTES: two other land stations licensed during this anomaly, KDPM Cleveland, Ohio, and KDPT San Diego, California, both non-broadcasting service stations, later transferred to the broadcast service but were eventually deleted. There was also an attempt to "standardize" KDKA. The June 30, 1928 Radio Service Bulletin lists a number of calls to be changed to meet international standards. One listed change, which was never implemented, is the replacement of KDKA with the new call WKA.]

DAWN OF THE FOUR-LETTER CALLS

The flood of broadcasting service authorizations that began in earnest in December of 1921 served to overload the recycling three-letter calls. Before the crunch the Bureau was able to assign three-letter call signs to about 180 broadcasters.

It was the more saturated East that was the first to feel the pinch. On April 4, 1922 an application from the Times-Picayune of New Orleans broke new ground with the assignment of WAAB (now WJBO, Baton Rouge) as its call. [NOTE: WAAA was skipped as no sign was permitted with the same letter three times in a row.] The progression continued in alphabetical order, with "A" fixed as the third letter, i.e. WAAB, WAAC, WAAD... WBAB, WBAC... etc. This explains why so many pioneers such as WBAP Fort Worth, Texas; WCAL Saint Olaf College, Northfield, Minnesota; WCAU Philadelphia, Pennsylvania; WEAJ (now WFAN) New York City; WHAS Louisville, Kentucky; WKAR Michigan State University, East Lansing, Michigan; WMAQ Chicago, and WOAI San Antonio, Texas share this same middle letter. In later years it became the norm for broadcasters to ask for distinctive calls. However, if they had no preference they were assigned calls from blocks used for a variety of radio services. Starting April of 1923 calls centering on "B" were issued, including WBBM Chicago, WFBR Baltimore, Maryland, WIBG (now WZZD) Philadelphia, and WMBD Peoria, Illinois. In mid-1928 there was a jump to the middle of the W-D- block, which yielded WHDH Boston and WRDW Augusta, Georgia. W-E- calls followed beginning in early 1931, including WDEV Waterbury, Vermont, WEEU Reading, Pennsylvania, and WFEA Manchester, New Hampshire.

The West held out until May 8, 1922, when Western broadcasters started sharing the four-letter ship blocks. KDYL in Salt Lake City was both the first authorization and last survivor of this group. When it became KCPC (now KUTR) December 21, 1959 all thirty-two KD-- authorizations from this switchover had either expired or changed calls. (There is currently a KDYL in Salt Lake City, but this station only dates back to 1945 and has been KDYL only since 1982.) The KF-- block, begun June 1922, boasts a few more noteworthyies, including KFBK Sacramento, California, Doc Brinkley's infamous KFBK, KFNF Shenandoah, Iowa (now KYFR), KFQD Anchorage, Alaska, and KFVR Bismarck, North Dakota. The KG-- group was tapped July 1926: KGCO Sidney, Montana, and KGFJ Los Angeles, California are two that survive to this day. (A ship station was not as fortunate. KGOV was assigned to the Morro Castle, which went on to burn spectacularly off the New Jersey coast in 1934). KH-- calls were used, beginning in 1927, for a new service category: Commercial Aircraft Stations. Surprisingly this group included a short-lived broadcast authorization, KHAC, issued in late 1927 to Flying Broadcasters, Inc. in San Francisco, for "Airplane (unnamed)". The KI-- block was drafted in early 1932, which resulted in KIEV Glendale, California.

[NOTE: Calls in the early twenties were assigned at the time an application, usually a "Form 761", was received in Washington, NOT with the issuance of the first license, which usually took place a number of days after the application was received. Thus, you must list these pioneers by call assignment rather than first license date for the four-letter calls to line up alphabetically. For more information see the Call Assignment Date entries in the station list included in "Broadcast Station Pioneers: Policies and Stations". Also, there is an anomaly in the assignment of W calls which may mean that WAAB was actually the second four-letter W call issued. Purdue University's application for a station in West Lafayette, Indiana was assigned WBAA on the same day, April 4th, that WAAB was assigned. No other WEA- calls were issued until two weeks later, after the WAA- calls had been exhausted. It is possible that the

original plan was to start with WBA- calls, but after WBAA was issued the situation was reconsidered and the procession pulled back to start with the WAA- calls.]

THREE-LETTER CALLS AFTER 1922

All broadcast station activity in three-letter calls did not cease following the 1922 switchover to four-letter calls, as about half of today's holders of three-letter calls trace their first assignment to later than 1922. In many cases these post-1922 calls were not the station's first, but were ones they changed to some years later. Some calls were inherited when a previously authorized broadcaster or other station expired. And many of these calls were specially requested to tie-in with a slogan or licensee name: "World's Largest Store" (Sears); "World's Greatest Harbor" (Norfolk); "World's Greatest Newspaper" (Chicago Tribune); "Woodman Of the World"; "We Shield Millions" (National Life), etc. The last new three-letter call assignment, excluding reassignments of previously used calls or FM and TV sister stations, was WIS (now WOMG), "Wonderful Iodine State" in Columbia, South Carolina on January 23, 1930.

The June 30, 1931 edition of Commercial and Government Radio Stations of the United States listed 93 three-letter broadcasters out of a total of 631, about 15% of the stations. It was only in the post-World War II boom, when stations came to be counted in the thousands, that these calls have faded into relative obscurity, although their absolute numbers have not declined as much.

Actually new three-letter calls are still being assigned, although not for broadcast services. Their use is currently reserved for a service which dates back to the original 1912 assignments, Coastal Land Stations. However, even this group has threatened to exhaust the small allotment. Previously "Class 2" coastal stations were allowed to draw on the block. But an impending shortage forced the FCC to restrict these calls to only new stations of the "Class 1 (excluding Alaska)" classification, where the matter stands today.

FM AND TV SISTER STATIONS

FM and TV were developed in the forties and fifties, and obviously the new services needed call signs. After a short period of requiring FM and TV stations to have unique calls, the FCC decided to allow stations in the same market to have the same call as sister AM stations, provided they added an "-FM" or "-TV" suffix. (These suffixed calls were technically five- and six- letters, counting the two letter suffix.) All FM and TV stations trace their three-letter calls back to an original AM station. Until 1957, whenever you found an FM and TV station with a three-letter call, the original three-letter AM was still around. An exception to this first occurred as a result of the ABC's 1953 decision to change the calls of its New York City stations from WJZ (AM, FM, and TV) to WABC. This proved very traumatic to the Westinghouse Corporation, which founded WJZ thirty-two years earlier in Newark, New Jersey. (In 1923 the station was moved to New York City and transferred to RCA, where it became the flagship for the NBC-Blue -- later ABC -- network.) Although FCC rules prohibited new three-letter calls, they technically didn't restrict new five-letter ones, so, four and one-half years after the disappearance of WJZ the FCC gave Westinghouse permission to rename its Baltimore TV outlet WJZ-TV. With this precedent a new chapter of call sign practice began. This was the first time permission was given to reclaim a previously abandoned three-letter call under the FCC. In addition, this was also the first case of an "independent" three-letter call, i.e. one that did not appear concurrently on any AM station.

A year after the appearance of WJZ-TV the second "independent" appeared, when the University of Texas was granted permission for a new Educational FM station in Austin, Texas. The calls KUT-FM were assigned (another five-letter call), in honor of the original KUT, which the college had sold three decades previously, and which became KNOW (now KMOW) in 1932. Since then "independence" has become more common, for in addition to the total of 60 active AM three-letter calls as of January 1, 1990 there are 11 independents, for a total of 71 different three-letter calls on all bands.

CONCLUSIONS

Some people, seeing the disappearance of three-letter calls from the AM band, have accused owners of not being historically minded. The opposite is true. When AM holdings are disposed, the very historically minded owners often keep the three-letter calls for their FM and TV stations. And the good news about this development is that there have only been two cases (KWK and KHJ) where a three-letter call, saved as an independent, subsequently disappeared from the airwaves. So, what does the future hold? Well, if you like your three-letter calls on the original stations, it's bound to be bad. AM radio doesn't have the financial glamour it had fifty -- or even ten -- years ago, and more AMs will be unloaded, with call sign custody often passing to the more prosperous FMs and TVs. Some missing calls might return -- the FCC has had a soft spot at times for prodigal sons. Below are the occasions when dropped three-letter calls were allowed to be reclaimed:

Call	Lapse	Dropped	Reclaimed	
KUT	26 yrs	01/26/32	08/21/58	(returned to FM only)
WHN	13 1/2 yrs	09/15/48	02/28/62	(became WFAN--now WEVD-7/1/87)
KRE	9 yrs	04/29/63	06/11/72	(became KBLX--now KBFN-8/13/86)
WJZ	4 1/2 yrs	03/01/53	08/05/57	(returned to TV only)
WGH	15 months	09/01/83	12/10/84	
KYA	2 weeks	06/29/60	07/13/60	
KDB	10 days	10/12/69	10/22/69	

MAJOR AM THREE-LETTER CALL ACTIONS: JUNE 30, 1931 - JAN. 1, 1990

	Total on AM	Not on AM	All on AM bands
06/30/31 status as of this date	93	0	93
01/26/32 KUT AUSTIN, TX became KNOW (now KMOV) (see 8/21/58)	92	0	92
05/09/32 WOC DAVENPORT, IA consolidated with WHO Des Moines as WHO-WOC (see 11/11/34)	92	0	92
06/02/33 WNJ NEWARK, NJ. Station deleted.	91	0	91
06/14/34 WOQ KANSAS CITY, MO. Station deleted.	90	0	90
11/11/34 WOC DAVENPORT, IA. Call split-off from WHO- WOC Des Moines, moved to x-KICK Davenport	90	0	90
12/03/34 KYW CHICAGO, IL station moved to Philadelphia, PA (see 2/13/56)	90	0	90
01/21/35 WFI PHILADELPHIA, PA. Station consolidated with WLIT as WFIL (now WEAZ)	89	0	89
03/17/35 KSO DES MOINES, IA. Called transferred to x-KWCR, old KSO became KRNT	89	0	89
05/06/35 KTM LOS ANGELES, CA became KEHE (now KABC)	88	0	88
03/27/36 WOS JEFFERSON CITY, MO. Station deleted.	87	0	87
12/15/36 KVL SEATTLE, WA became KEEN (now KING)	86	0	86
01/03/40 WPG ATLANTIC CITY, NJ consolidated with WBIL and WOV as "new" WOV	85	0	85
01/23/41 WOR NEWARK, NJ. Stat. moved to New York, NY	85	0	85
11/12/41 WOV NEW YORK, NY swapped calls with WNEW	85	0	85
05/06/44 KJR SEATTLE, WA swapped calls with KOMO	85	0	85
06/01/45 WLB MINNEAPOLIS, MN became KUOM	84	0	84
09/10/45 KLS OAKLAND, CA became KWBR (now KDIA)	83	0	83
11/12/47 KPO SAN FRANCISCO, CA became KNBC (now KNBR)	82	0	82
09/15/48 WHN NEW YORK, NY became WMGM (see 2/28/62)	81	0	81
04/03/49 KQW SAN FRANCISCO, CA became KCBS	80	0	80
02/20/50 WOL WASHINGTON, DC swapped calls with WWDC	80	0	80
03/01/53 WJZ NEW YORK CITY, NY became WABC (see 8/5/57)	79	0	79
02/13/56 KYW PHILADELPHIA, PA. Call moved to x-WTAM (now WWLE) Cleveland, OH (see 6/19/65)	79	0	79
08/05/57 WJZ BALTIMORE, MD. Call reactivated for TV station (see 3/1/53)	79	1	80
08/21/58 KUT AUSTIN, TX. Call reactivated for FM	79	2	81
06/07/59 KLX OAKLAND, CA became KEWB (now KNEW)	78	2	80
11/01/59 WOV NEW YORK, NY became WADO	77	2	79
06/29/60 KYA SAN FRANCISCO, CA became KDBQ (next)	76	2	78
07/13/60 KYA SAN FRANCISCO, CA returns from KDBQ	77	2	79
02/28/62 WHN NEW YORK, NY returns from WMGM (see 9/15/48)	78	2	80
04/29/63 KRE BERKELEY, CA became KPAT (see 6/11/72)	77	2	79

	Total on AM	Not on AM	All on AM bands
06/19/65 KYW CLEVELAND, OH. Call returned to Philadelphia, PA (see 2/13/56)	77	2	79
10/12/69 KDB SANTA BARBARA, CA became KAPN (FM retains 3-letter call--see next)	76	3	79
10/22/69 KDB SANTA BARBARA, CA returns from KAPN	77	2	79
06/11/72 KRE BERKELEY, CA returns from KPAT (see 4/29/63)	78	2	80
08/30/75 KTW SEATTLE, WA became KYAC (now KAFX)	77	2	79
09/01/75 KOL SEATTLE, WA became KMPS	76	2	78
04/14/78 WRR DALLAS, TX became KAAM (FM retains call)	75	3	78
03/15/82 KGB SAN DIEGO, CA became KCNN (now KPQP-- FM retains call)	74	4	78
04/18/83 KMO TACOMA, WA became KANT (now KKMO)	73	4	77
09/01/83 WGH NEWPORT NEWS, VA became WNSY (see 12/10/84)	72	4	76
12/13/83 KYA SAN FRANCISCO, CA became KOIT (FM ret.)	71	5	76
02/27/84 WRC WASHINGTON, DC became WWRG (TV retains)	70	6	76
03/19/84 KSD ST. LOUIS, MO became KUSA (FM retains)	69	7	76
06/01/84 KWK ST. LOUIS, MO became KGLD (FM retains-- see 2/29/88)	68	8	76
12/10/84 WGH NEWPORT NEWS, VA returns from WNSY (see 9/1/83)	69	8	77
01/07/85 KHQ SPOKANE, WA became KLSN (now KAQQ) (TV retains call)	68	9	77
06/11/85 WJW CLEVELAND, OH became WRMR (TV retains)	67	10	77
02/01/86 KHJ LOS ANGELES, CA became KRTH (TV retains -- see 12/2/89)	66	11	77
04/11/86 KXA SEATTLE, WA became KRPM	65	11	76
08/13/86 KRE BERKELEY, CA became KBLX (now KBFN)	64	11	75
10/28/86 KOB ALBUQUERQUE, NM became KKOZ (TV retains)	63	12	75
12/31/86 WIS COLUMBIA, SC became WVOC (now WOMG) (TV retains call)	62	13	75
07/01/87 WHN NEW YORK, NY became WFAN (now WEVD)	61	13	74
02/29/88 KWK ST. LOUIS, MO. KWK-FM became WKBG	61	12	73
09/11/89 KSO DES MOINES, IA became KGGG	60	12	72
12/02/89 KHJ LOS ANGELES, CA. KHJ-TV became KCAL-TV	60	11	71

NOTES: "Total on AM" is the number of three-letter calls on the AM band after the action took place. "Not on AM" is the number of "independent" three-letter calls, i.e. held only by an FM or TV station after being given up by the original AM station. "All bands" is the total number of different three-letter calls in use on AM, FM and TV, i.e. "Total on AM" plus "Not on AM".

The starting point of this list, June 30, 1931, is an arbitrary one, chosen as a date when the industry had generally stabilized after the chaotic twenties and early thirties. In summary, as of June 30, 1931 there were 93 AM three-letter calls. In the period through January 1, 1990, 33 three-letter calls disappeared from the AM band. Twenty-two of the 33 completely disappeared from the airwaves: three through station deletions--WNJ, WOQ and WOS--and the other 19 due to call changes and station consolidations: WFI, KTM, KVL, WPG, WLB, KLS, KPO, KQW, KLLX, WOV, KTW, KOL, KMO, KXA, KRE, WHN, KWK, KSO and KHJ. The other 11 "gone from the AM band" calls have homes as FM or TV stations: WJZ (TV), KUT (FM), WRR (FM), KGB (FM), KYA (FM), WRC (TV), KSD (FM), KHQ (TV), WJW (TV), KOB (TV), and WIS (TV). Thus, over 58 1/2 years the number of different three-letter calls went from 93 to 60 on the AM band, and from 93 to 71 on all bands.

CURRENT THREE-LETTER CALL SIGNS

The following list includes all the three-letter calls in use as of January 1, 1990, plus information on current and former sister stations. (The latter are listed because they are potential heirs if the three-letter calls are dropped by the current owners.)

Current three-letter calls are listed in capital letters. In addition, the CURRENT sister stations (i.e. having the same owner in the same market as the three-letter call holder) of the three-letter stations are listed in lowercase, while the FORMER sister stations that I was able to track down (at one time, but no longer, having the same owner) are listed in lowercase and in parentheses.

The first three columns list information on the AM stations, which are the original holders of the three-letter calls. The "AM" column lists the current call of the original station. The "first" column notes the first date that the AM station used the three-letter call. (An "*" marks stations where this three-letter call was NOT the first call the station had.) An entry in the "last" column notes change-over dates in cases where the AM station no longer holds the three-letter call.

The "FM", "TV", and "City" entries list additional information on the current state of other three-letter holders and sister stations.

AM	first	last	FM	TV	CITY
KDB	01/09/29*		KDB-FM	--	Santa Barbara, CA
KEX	12/23/26		kkrr	--	Portland, OR
KFH	12/--/25*		krbb	--	Wichita, KS
KFI	03/31/22		kost	--	Los Angeles, CA
KGA	02/04/27		kdrk-fm	--	Spokane, WA
kpop	03/27/28*	03/15/82	KGB-FM	--	San Diego, CA
KGO	01/22/24		(kksf)	KGO-TV	San Francisco, CA
KGU	03/14/22		--	--	Honolulu, HI
KGW	03/21/22		kink	KGW-TV	Portland, OR
KGY	03/30/22		--	--	Olympia, WA
(kqqq)	02/28/22	01/07/85	(kisc)	KHQ-TV	Spokane, WA
KID	02/16/29*		ksif	(kidd)	Idaho Falls, ID
KIT	03/22/29*		kats	--	Yakima, WA
KJR	03/09/22		kltx	--	Seattle, WA
KLO	04/11/29*		--	--	Ogden, UT
KLZ	03/10/22		kazy	(kmgh-tv)	Denver, CO
KMA	08/12/25		KMA-FM	--	Shenandoah, IA
KMJ	03/23/22		knax	--	Fresno, CA
KNX	05/04/22*		kodj	kcbs	Los Angeles, CA
KOA	12/13/24		krfx	(konc)	Denver, CO
(kkob)	04/05/22	10/28/86	(kkob-fm)	KOB-TV	Albuquerque, NM
KOH	09/13/28		kexy	--	Reno, NV
KOY	02/08/29*		KOY-FM	--	Phoenix, AZ
KPQ	05/02/28*		KPQ-FM	--	Wenatchee, WA
KQV	01/09/22		--	--	Pittsburgh, PA
kusa	03/14/22	03/19/84	KSD	(ksdk)	Saint Louis, MO
KSL	03/24/25*		(ksfi)	KSL-TV	Salt Lake City, UT
KUJ	12/--/26		knlt	--	Walla Walla, WA
(kmow)	10/30/25*	01/26/32	RUT	--	Austin, TX
KVI	11/24/26		kplz	--	Seattle, WA
KWG	12/07/21		--	--	Stockton, CA
KXL	11/27/26		KXL-FM	--	Portland, OR
KXO	11/11/28*		KXO-FM	--	El Centro, CA
(koit)	12/17/26	12/13/83	KYA	--	San Francisco, CA
KYW	11/15/21		--	KYW-TV	Philadelphia, PA
WBT	03/18/22		WBT-FM	--	Charlotte, NC
WBZ	09/15/21		--	WBZ-TV	Boston, MA
WDZ	04/05/22		wdzq	--	Decatur, IL
WEW	03/23/22		--	--	Saint Louis, MO
WGH	11/20/28*		WGH-FM	--	Newport News, VA
WGL	11/11/28*		--	--	Fort Wayne, IN
WGN	03/28/24		--	WGN-TV	Chicago, IL
WGR	03/14/22		WGR-FM	(wgrz-tv)	Buffalo, NY
WGY	02/04/22		WGY-FM	(wrgb)	Schenectady, NY
WHA	01/13/22		--	WHA-TV	Madison, WI
WHB	05/10/22		--	--	Kansas City, MO
WHK	02/21/22		wkms	--	Cleveland, OH
WHO	04/15/24		klyf	WHO-TV	Des Moines, IA
WHP	03/16/29*		WHP-FM	WHP-TV	Harrisburg, PA
WIL	01/--/25*		WIL-FM	--	Saint Louis, MO
WIP	03/20/22		(wmmr)	--	Philadelphia, PA
(womg)	01/23/30*	12/31/86	--	WIS-TV	Columbia, SC
WJR	08/20/25		whyf	--	Detroit, MI
(wrmr)	05/09/29*	06/11/85	(wltf)	WJW-TV	Cleveland, OH
(wabc)	05/--/21	03/01/53	--	WJZ-TV	Baltimore, MD
WKY	03/16/22		--	ktvy	Oklahoma City, OK
WLS	04/11/24		wytz	WLS-TV	Chicago, IL
WLW	03/02/22		webn	(wlwt)	Cincinnati, OH
WMC	01/19/23		WMC-FM	WMC-TV	Memphis, TN
WMT	11/11/28*		WMT-FM	(kgan)	Cedar Rapids, IA
WOC	02/18/22		kiik-fm	(kwqc)	Davenport, IA
WOI	04/28/22		WOI-FM	WOI-TV	Ames, IA

AM	first	last	FM	TV	CITY
WOL	11/11/28*		--	--	Washington, DC
WOR	02/20/22		wrks-fm	(wvor-tv)	New York, NY
WOW	12/16/26*		WOW-FM	(wowt)	Omaha, NE
(wnrc)	07/19/23	02/27/84	wkys	WRC-TV	Washington, DC
(kaam)	03/13/22	04/14/78	WRR	--	Dallas, TX
WSB	03/15/22		WSB-FM	WSB-TV	Atlanta, GA
WSM	10/05/25		WSM-FM	(wsmy)	Nashville, TN
WWJ	03/03/22*		wjoi	(wdiv)	Detroit, MI
WWL	03/30/22		wimg	WWL-TV	New Orleans, LA
----			----	----	
60 AM			23 FM	20 TV	Total three-letter calls for each service

IN THE BEGINNING

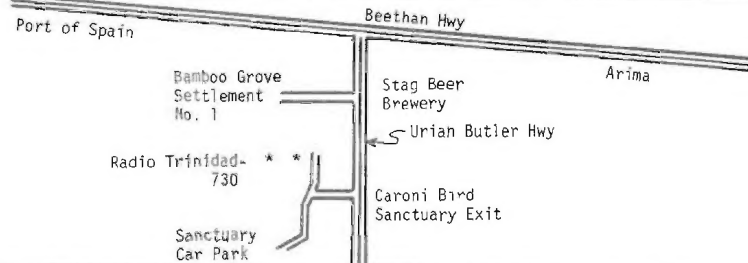
BY JOHN D. BOWKER

THIS IS THE COMPLETE LIST OF U. S. BROADCAST STATIONS ON THE INDICATED FREQUENCY AS PUBLISHED BY THE FEDERAL RADIO COMMISSION IN 1934. "S" MEANS SHARED; "SH" MEANS SPECIFIED HOURS; "T" INDICATES TRANSMITTER LOCATION; "D" MEANS DAYTIME OPERATION ONLY; "U" MEANS UNLIMITED TIME.

Frequency (kc)	Call letters	Main studio and transmitter location	Power	Time designation
760, clear----	WBAL	Baltimore, Md.	2 1/2 kw	Synchronize WJZ.
	WJZ	T—Pikesville New York, N.Y.	30 kw	U.
	WEW	T—Bound Brook, N.J.	1 kw	D.
	KXA	St. Louis, Mo.	{250 w----- {500 w LS.}	L-WJZ.
		Seattle, Wash.		

TOWER TIP VI-1

RADIO TRINIDAD - 730
20,000 WATTS
PORT OF SPAIN, TRINIDAD, W.I.



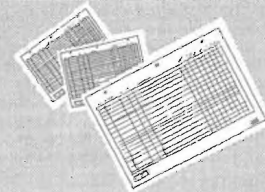
WHAT TO LOOK FOR: Two towers approximately 100 feet tall in an open field with "730 RADIO TRINIDAD" in large letters across the front of the transmitter building (visible from Uriah Butler Highway)

CONTRIBUTED BY: BRUCE A. CONTI, Nashua, N.H.

Send information about a.m. broadcast towers in your area to John D. Bowker, 14 Canoe Brook Drive, Princeton Jct., NJ 08550. Include a simple map of the nearby highways and landmarks. Tell how many towers, how they are laid out, and any other information that will help in spotting each station.

Logsheets - By Frequency

110 sheets, 25 entries possible per sheet with space available to add your own columns. Punched for three-ring binders, full-size 8.5 x 11 inches, on heavy paper. US\$5.00 (25 sheets for US\$1.25). Order from the Pub Center.



Musings of the Members

Thoughts from NRC members ... the opinions expressed in this column are those of the individual writer and do not necessarily reflect those of the editors, publishers, or the National Radio Club, Inc.

Dave Schmidt
P. O. Box 11502
Wilmington, DE 19850
Times are local per Muse.

FRED VOBBE (KB8BMO) - 706 MACKENZIE - LIMA, OH 45805

It's about time you MUSE! Yes, I know and time hasn't been to friendly to me! I was very unhappy that I missed the NRC convention but as you read in past editions I had my hands full back here. Hopefully, WV will be in my plans. DX has been fairly decent here, but most of the time it has been under test conditions on the bench. With WLOV now using only 9 of the original 12 towers, this Detroit legend has been a regular here at night. A couple of nights this past month yielded Cuba beating up 640 & 710. The signals on these Cuban stations were so intense that no matter which way the loop was positioned, you could still hear the station! The loop position didn't seem to make any difference. Now that's signal strength! I have to relate to all the NRC members a funny story. As many of you know, John Bowker collects recordings of station IDs. The DX AUDIO SERVICE has featured his column for several years, and "The Travellog" is truly an interesting feature. John has put in so much effort to the NRC & DXAS that with his impending retirement from business practice, it was only natural to arrange a tribute to him. Phil Wayne & I got the idea to contact stations and arrange for recordings of their station ID's BUT to include John's name somehow in the ID. My original plan was to feature these recordings at the convention in front of all attending, however we know how my plans fell through. So the tribute was featured in the October DXAS. The results from the stations were great, and from the phone call I got from John, the surprise was very appreciated. You never know where these ID's may pop up, John! Something else which has been keeping me busy has been the computer BBS here in Lima. The board is a multiline BBS featuring IBM & Amiga programs, radio & TV programs, ham radio files, and NRC scripts. Hopefully, I will soon have an online database of all the past DXAS programs which will index each issue. For any computer people out there, the files will be file requestable and I will publish the magic names here. Wayne & I have been using the BBS & the Fidonet system to send CPC reports to the DXAS and it has worked flawlessly, bringing the members the latest info. Back to DX for a moment, when I got out of radio, I thought my verification signing days were over. Not so. During the month of September, I received 2 reports from TV DX'ers on WLOV's signal and one from a scanner enthusiast on our news repeater on 450.6125. The TV DX was from 200+ miles and the 2 way catch was from 243 miles away, ID'd only because the repeater has a ACC RC85 on it which speaks the ID as "KPH703 repeater, Lima, Ohio". The only AM DX done on the road was seeing how far my carrier current station on 640 khz got out with 6 watts. How far? One block, then WLOV was killing it badly. Till next Muse, 73 & Gud DX!

KARL JETER - 2115 SCARBROUGH RD - STONE MOUNTAIN, GA 30088

Hello fellow dial twisters! After a summer of complete inactivity radio-wise, things are beginning to perk up in my shack (details already sent to DDXD-E). First, a big thanks to John Malicky for a great convention in Pittsburgh! I had a great time on my first visit to that city and I also got to make a few side trips into adjoining states while there. The convention was well organized, well attended and one of the best I have ever attended. Other places visited while in PA include "Fallingwater" (the famous Frank Lloyd Wright house south of Pittsburgh) and Erie, I also paid visits to Jamestown, NY, Cumberland, MD, Morgantown, WV & Youngstown, OH during my sidetrips. While in NW PA, heading toward Erie on I79, I was first confused when I heard commercial broadcasting on the lower FM band when I realized I was listening to Canadian FM! While in Erie, I really enjoyed listening to the AM's & FM's from Canada, really a nice change from the standard fare I am used to. Ironically, since returning, I have heard CHIN-1540 a few times but still not enough yet for a report, so have been chasing them. Locally, 1400 is indeed open with the demise of the Alpharetta station, as is 1360, with the move of the Lawrenceville station to 610. It is also a little strange to hear those venerable Atlanta calls, WPLO again, and only 20 khz from their former longtime home on 590 (now WKHX, Kicks Country). In another example of interesting twists that occur in broadcasting (Nah, never happens-hi!-DWS), WGST-640 has added ex-WABC talk host Brian Wilson in the 4-7P slot. WSB-750 has brought in veteran Atlanta exDJ Gary McKee in the same time slot. About 10 years ago, these same 2 were FM competitors on WZGC & WQXI-fm. For those of you who heard me mention about my cohort, Chuck Hutton was supposed to attend but was a no-show, here's why: he WAS on his way to Pittsburgh when his motorcycle skidded off the Blue Ridge Parkway in NC in wet, foggy weather. He's OK, other than a broken wrist, damaged cycle and a trip cut short. He has not left for Spain as of this writing but he is expecting the go-ahead any day now. Hopefully, next Muse will contain more DX.....73's

DAVE SCHMIDT - P O BOX 11502 - WILMINGTON, DE 19850

Thanks to Fred & Karl for the reports, that is everything thru 10/20, I do hope support for this column will increase. This will be going on 10/21 AM. I've got a couple of DX TESTS in the works, look for a couple of more easy catches from the 1st state soon. Hi-lite of the week, repairs to a transmitter that caught on fire at a NJ station, then winning \$500 on an instant lottery ticket. DX - none. I'm finally getting 2 of the R390A's on line also. Remember, our deadlines are Saturday and we look for your support! 73's.

Broadcast pioneer Paley dies

By the Associated Press

NEW YORK — William S. Paley, who cultivated a fledgling radio network into the \$5 billion-a-year communications conglomerate CBS Inc., was remembered by colleagues Saturday as a brilliant pioneer in broadcasting.

They recalled his programming genius for both high art and mass-entertainment programs, as well as a deep commitment to the news.

"Anyone with means can collect Picassos and Gauguins, but it took a Bill Paley to collect Jack Benny and Jackie Gleason, Lucille Ball and Mary Tyler Moore, and, at the same time, Ed Murrows, Eric Sevareid, Charles Collingwood and Walter Cronkite," said Don Hewitt, executive producer of "60 Minutes."

Paley, 85, died Friday night in his Manhattan home. The cause of death was believed to be a heart attack brought on by pneumonia, CBS said in a statement Saturday.

Paley bought a handful of struggling radio stations in 1929 for \$400,000 and built them into one of the world's most powerful communications companies. For more than 50 years, he controlled the Columbia Broadcasting System as president or board chairman of its radio and television networks and its film, publishing, recording and other subsidiaries.

"The pioneer era in the history of broadcasting dies with William Paley," said Cronkite, a former CBS anchorman. "He understood, as have few others, the necessity of giving broadcast news a liberty to perform without commercial or political interference."

"He was a giant of 20th century business, a man committed to excellence," said Dan Rather, Cronkite's successor at CBS News. "Among his many accomplishments was being present at the creation of broadcast journalism. He remained passionately interested in news up to the time of his death."

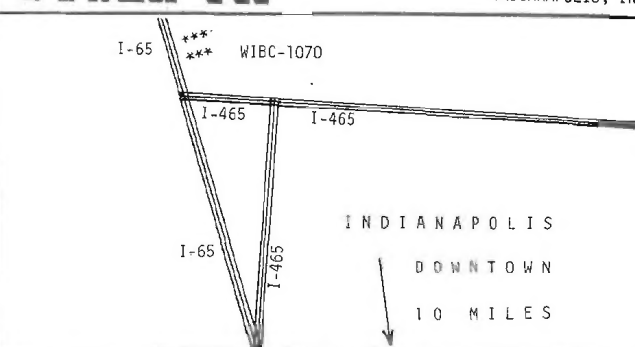
Fred Friendly, who was president of CBS News from 1964 to 1968, worked for Paley for 16 years. "A lot of the fun and the glory, the nobility that he possessed, has sort of vanished in the throes of profits," he said.

The Topeka Capital Journal
-via Paul Swearingen

TOWER TIP

IN-3

WIBC - 1070
50,000 WATTS
INDIANAPOLIS, IN



WHAT TO LOOK FOR: 6 large towers in two rows of 3 running north-east by south-west where I-65 meets I-465 just out of town.

CONTRIBUTED BY: John S. Bowker, Valparaiso, IN

Send information about a.m. broadcast towers in your area to John D. Bowker, 14 Canoe Brook Drive, Princeton Jct., NJ 08550. Include a simple map (Bowker may re-draw it) showing major highways and any other terrain features near the tower(s). Tell how many towers, how they are laid out, and any other features that will help in spotting them.

AM Service Expands To Improve Nighttime Listening



WXXI AM 1570's reach has been substantially increased. By moving the station's transmitter at 560 French Road 30 feet to the northeast, the quality of WXXI AM nighttime listening has been greatly enhanced, according to Mark Boardman, vice president for radio.

New signal — Old signal —

WXXI Program Guide
-via Jim Renfrew

WXXI
tv21 am1570
fm91.5